



SEQUENCE LISTING

<110> Ashikari, Toshihiko
Ochiai, Misa

<120> Method of Breeding Yeast

<130> 46221

<140> US 09/869,185

<141> 2001-6-25

<150> PCT/JP00/07491

<151> 2000-10-26

<160> 28

<210> 1

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> The FRT sequence used in the present invention contains SEQ ID NO:1

<400> 1
gaagttccta tactttctag agaataggaa cttc

34

<210> 2

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT2 which is one of a pair of FRT sequences (FRT2/FRT102) used in a DNA construct of the present invention

<400> 2
gaagttccta tactttctag agaataggaa c

31

<210> 3

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT102 which is one of a pair of FRT sequences (FRT2/FRT102) used in a DNA construct of the present invention

<400> 3
gttcctatac tttctagaga ataggaactt c 31

<210> 4

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT2W sequence reconstructed by recombination from a pair of FRT sequences (FRT2/FRT102)

<400> 4
gttcctatac tttctagaga ataggaac 28

<210> 5

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT3 which is one of a pair of FRT sequences (FRT3/FRT103) used in a DNA construct of the present invention

<400> 5
gaagttccta tactttctag agaatagga 29

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT103 which is one of a pair of FRT sequences (FRT3/FRT103) used in a DNA construct of the present invention

<400> 6
ttcctatact ttctagagaa taggaacttc 30

<210> 7

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<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT3W sequence reconstructed by recombination from a pair of FRT sequences (FRT3/FRT103)

<400> 7

ttcctatact ttctagagaa tagga

25

<210> 8

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT4 which is one of a pair of FRT sequences (FRT4/FRT104) used in a DNA construct of the present invention

<400> 8

gaagttccta tacttttctag agaatag

27

<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT104 which is one of a pair of FRT sequences (FRT4/FRT104) used in a DNA construct of the present invention

<400> 9

ctatactttc tagagaatag gaacttc

27

<210> 10

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT4W sequence reconstructed by recombination from a pair of FRT sequences (FRT4/FRT104)

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<400> 10
ctatactttc tagagaatag

20

<210> 11

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT1-a sequence (including wild-type FRT sequence) into a plasmid

<400> 11
tcgacgaagt tcctatactt tctagagaat aggaacttcg

40

<210> 12

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT1-b sequence (including wild-type FRT sequence) into a plasmid

<400> 12
aattcgaagt tcctattctc tagaaagtat aggaacttcg

40

<210> 13

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT101-a sequence (including wild-type FRT sequence) into a plasmid

<400> 13
agcttgaagt tcctatactt tctagagaat aggaacttcg catg

44

<210> 14

<211> 36

<212> DNA

7/17
3/4/02

35 4

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT101-b sequence (including wild-type FRT sequence) into a plasmid

<400> 14
cgaagttcct attctctaga aagtatagga acttca 36

<210> 15

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT2-a sequence

<400> 15
ctagagaata ggaacg 16

<210> 16

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT2-b sequence

<400> 16
aattcggtcc tattct 16

<210> 17

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT102-a sequence

<400> 17
agcttggtcc tatacttt 18

<210> 18

7/17
3/4/02

36 5

<211> 18
 <212> DNA
 <213> Artificial Sequence
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 <223> Sequence of synthetic DNA used to prepare FRT102-b sequence
 <400> 18
 ctagaaagta taggaaca 18

 <210> 19
 <211> 14
 <212> DNA
 <213> Artificial Sequence
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 <223> Sequence of synthetic DNA used to prepare FRT3-a sequence
 <400> 19
 ctagagaata ggag 14

 <210> 20
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Sequence of synthetic DNA used to prepare FRT3-b sequence
 <400> 20
 aattctccta ttct 14

 <210> 21
 <211> 16
 <212> DNA
 <213> Artificial Sequence
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 <223> Sequence of synthetic DNA used to prepare FRT103-a sequence
 <400> 21
 agctttccta tacttt 16

7/17
 3/4/02

37 6

<210> 22

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT103-b sequence

<400> 22

ctagaaagta taggaa

16

<210> 23

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT4-a sequence

<400> 23

ctagagaata gg

12

<210> 24

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT4-b sequence

<400> 24

aattcctatt ct

12

<210> 25

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT104-a sequence

7/1/02
3/14/02

<400> 25
agcttctata cttt

14

<210> 26

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT104-b sequence

<400> 26
ctagaaagta taga

14

<210> 27

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide (GIN-1) synthesized to prepare a plasmid containing GIN11

<400> 27
tggatccgga atttcgacgg atcaataac

29

<210> 28

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide (GIN-2) synthesized to prepare a plasmid containing GIN11

<400> 28
ttctgcagac tagatgcact catatcatta tgcac

35

THP
3/4/02